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1646

RAW SEQUENCE LISTING DATE: 03/12/2001
 PATENT APPLICATION: US/09/333,033 TIME: 12:03:37

Input Set : A:\seqlist.txt
 Output Set: N:\CRF3\03122001\I333033.raw

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3 <110> APPLICANT: Kirkness et al.
 5 <120> TITLE OF INVENTION: Human Haemopoietic Maturation Factor
 7 <130> FILE REFERENCE: PF105P1D1
 9 <140> CURRENT APPLICATION NUMBER: 09/333,033
 10 <141> CURRENT FILING DATE: 1999-06-15
 12 <150> PRIOR APPLICATION NUMBER: 08/442,497
 13 <151> PRIOR FILING DATE: 1995-05-16
 15 <150> PRIOR APPLICATION NUMBER: 08/187,186
 16 <151> PRIOR FILING DATE: 1994-01-25
 18 <160> NUMBER OF SEQ ID NOS: 9
 20 <170> SOFTWARE: PatentIn version 3.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 600
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
 28 agacagcgga actaagaaaa gaagaggcct gtggacagaa caatcatgtc tgactccctg 60
 30 gtggtgtgcy aggtagaccc agagctaaca gaaaagctga ggaaattccg cttccgaaaa 120
 32 gagacagaca atgcagccat cataatgaag gtggacaaa accygcagat ggtggtgctg 180
 34 gaggaagaat ttcagaacat ttccccagag gagctcaaaa tggagttgcc ggagagacag 240
 36 cccaggttcg tggtttacag ctacaagtac gtgcatgacg atggccgagt gtcctaccct 300
 38 ttgtgtttca tcttctccag cctgtgtggc tgcaagcccg aacaacagat gatgtatgca 360
 40 gggagtataa acaggetggg gcagacagca gagctcacia aggtgttcga aatccgcacc 420
 42 actgatgacc tcaatgagge ctggtcccaa gaaaagttgt ctttctttcg ttgatctctg 480
 44 ggcctggggac tgaattcctg atgtctgagt cctcaagggtg actggggact tggaaacctt 540
 46 aggcctgaa caaccaagac tttaaataaa tttttaaatg caaaaaaaaa aaaaaaaaaa 600
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 142
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Homo sapiens
 54 <400> SEQUENCE: 2
 56 Met Ser Asp Ser Leu Val Val Cys Glu Val Asp Pro Glu Leu Thr Glu
 57 1 5 10 15
 59 Lys Leu Arg Lys Phe Arg Phe Arg Lys Glu Thr Asp Asn Ala Ala Ile
 60 20 25 30
 62 Ile Met Lys Val Asp Lys Asp Arg Gln Met Val Val Leu Glu Glu Glu
 63 35 40 45
 65 Phe Gln Asn Ile Ser Pro Glu Glu Leu Lys Met Glu Leu Pro Glu Arg
 66 50 55 60
 68 Gln Pro Arg Phe Val Val Tyr Ser Tyr Lys Tyr Val His Asp Asp Gly
 69 65 70 75 80
 71 Arg Val Ser Tyr Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly Cys
 72 85 90 95
 74 Lys Pro Glu Gln Gln Met Met Tyr Ala Gly Ser Lys Asn Arg Leu Val
 75 100 105 110
 77 Gln Thr Ala Glu Leu Thr Lys Val Phe Glu Ile Arg Thr Thr Asp Asp
 78 115 120 125

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80 Leu Thr Glu Ala Trp Leu Gln Glu Lys Leu Ser Phe Phe Arg
81      130      135      140
83 <210> SEQ ID NO: 3
84 <211> LENGTH: 93
85 <212> TYPE: DNA
86 <213> ORGANISM: Artificial
88 <220> FEATURE:
89 <223> OTHER INFORMATION: Contains a BspHI restriction enzyme site and the ompA leader sequ
90     ence.
92 <400> SEQUENCE: 3
93 gacttcatga aaaagacaga tatcgcaatt gcagtgccac tggctggttt cgctaccgtt      60
95 gcgcaagctg cttctgactc cctggtggtg tgc      93
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 31
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Contains complementary sequences to a BglII site.
106 <400> SEQUENCE: 4
107 gactagatct acgaaagaaa gacaactttt c      31
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 35
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Contains a HindIII site.
118 <400> SEQUENCE: 5
119 gactaaagctt agccatgtct gactccctgg tgggtg      35
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 64
124 <212> TYPE: DNA
125 <213> ORGANISM: Artificial
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Contains complementary sequences to an XbaI site, translation sto
129     p codon, and a HA tag.
131 <400> SEQUENCE: 6
132 gacttctaga tcaagcgtag tctgggacgt cgtatgggta acgaaagaaa gacaactttt      60
134 cttg      64
137 <210> SEQ ID NO: 7
138 <211> LENGTH: 35
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial
142 <220> FEATURE:
143 <223> OTHER INFORMATION: Contains a BamHI restriction enzyme site followed by 6 nucleotide
144     s resembling an efficient signal for the initiation of translatio
145     n in eukaryotic cells (Kozak, M., J. Mol. Biol., 196:947-950 (198
146     7).
148 <400> SEQUENCE: 7
149 cgcgggatcc gccatcatgt ctgactccct ggtgg      35

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152 <210> SEQ ID NO: 8
153 <211> LENGTH: 30
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Contains the cleavage site for the restriction endonuclease Asp71
159      8.
161 <400> SEQUENCE: 8
162 gcgcggtacc agtccccagc ccagagatca
165 <210> SEQ ID NO: 9
166 <211> LENGTH: 141
167 <212> TYPE: PRT
168 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 9
172 Met Ser Glu Ser Leu Val Val Cys Asp Val Ala Glu Asp Leu Val Glu
173 1          5          10          15
175 Lys Leu Arg Lys Phe Arg Phe Arg Lys Glu Thr Asn Asn Ala Ala Ile
176      20          25          30
178 Ile Met Lys Ile Asp Lys Asp Lys Arg Leu Val Val Leu Asp Glu Glu
179      35          40          45
181 Leu Glu Gly Ile Ser Pro Asp Glu Leu Lys Asp Glu Leu Pro Glu Arg
182      50          55          60
184 Gln Pro Arg Phe Ile Val Tyr Ser Tyr Lys Tyr Gln His Asp Asp Gly
185 65          70          75          80
187 Arg Val Ser Tyr Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly Cys
188      85          90          95
190 Lys Pro Glu Gln Gln Met Met Tyr Ala Gly Ser Lys Asn Lys Leu Val
191      100         105         110
193 Gln Thr Ala Glu Leu Thr Lys Val Phe Glu Ile Arg Asn Thr Glu Asp
194      115         120         125
196 Leu Thr Glu Glu Trp Leu Arg Glu Lys Leu Gly Phe Phe
197      130         135         140

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VERIFICATION SUMMARY
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